



State of Utah

GARY R. HERBERT
Governor

Department of
Environmental Quality

Amanda Smith
Acting Executive Director

DIVISION OF WATER QUALITY
Walter L. Baker, P.E.
Director

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AUG 27 2009

DIV. OF OIL, GAS & MINING

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cc: TOM
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Executive Secretary

August 25, 2009

Ms. Marit Sawyer
JBR Environmental Consultants
8160 South Highland Drive
Sandy, UT 84093

Re: Use of Pit Water for Dust Suppression within the Palladon Iron Mining Operation Area

Dear Ms. Sawyer:

The Division of Water Quality has reviewed your July 7, 2009 letter requesting to use pit water for dust suppression on mine haul roads at the Palladon Iron Mine near Cedar City. Based on the water quality analytical results provided in Appendix A of your letter, this water would be classified as Class II Drinking Water Quality ground water with a total dissolved solids (TDS) of 535 milligrams per liter, which is slightly above the 500 mg/l upper limit of Class IA Pristine Ground Water. Assuming these data are representative of the pit water you are requesting to apply on mine haul roads, the pit water would have a *de minimis* effect on ground water quality. Therefore, in accordance with UAC R317-6-6.2.A.1 and UAC R317-6-6.2.A.25 of the Administrative Rules for Ground Water Quality Protection, your request qualifies for ground water discharge permit by rule and is hereby approved.

Please be advised that an application for a ground water discharge permit may be required by the Executive Secretary for any discharge permitted by rule under R317-6-6.2 if it is determined that the discharge may be causing or is likely to cause increases above the ground water quality standards or applicable class TDS limits under R317-6-3 or otherwise is interfering or may interfere with probable future beneficial use of the ground water.

If you have any questions about this letter, please contact me at rherbert@utah.gov or (801) 538-6038.

Sincerely,

Rob Herbert, P.G., Manager
Ground Water Protection Section

CC: John Chartier, SW District Engineer
SW Utah Public Health Department
Paul Baker, DOGM